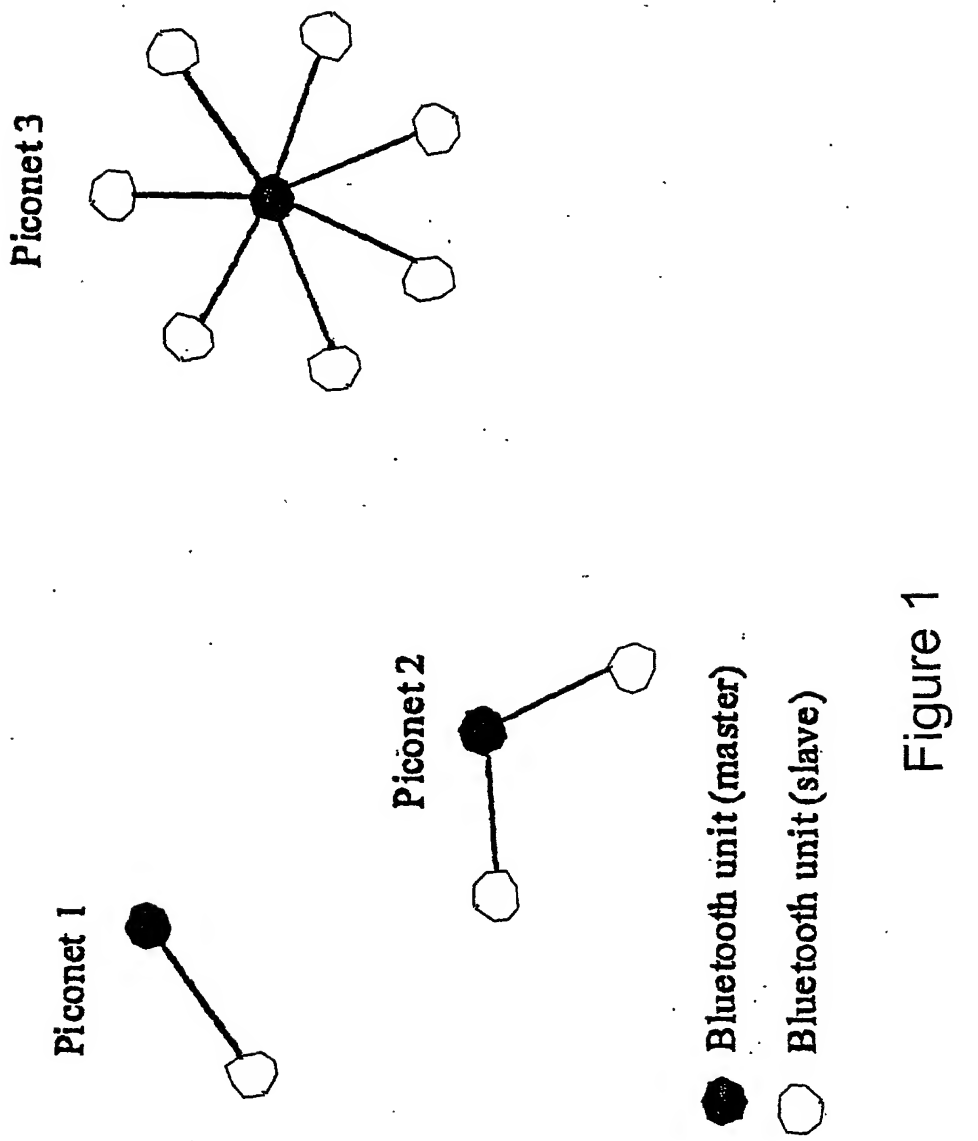

Figure 1

FOSTER - 00274.001

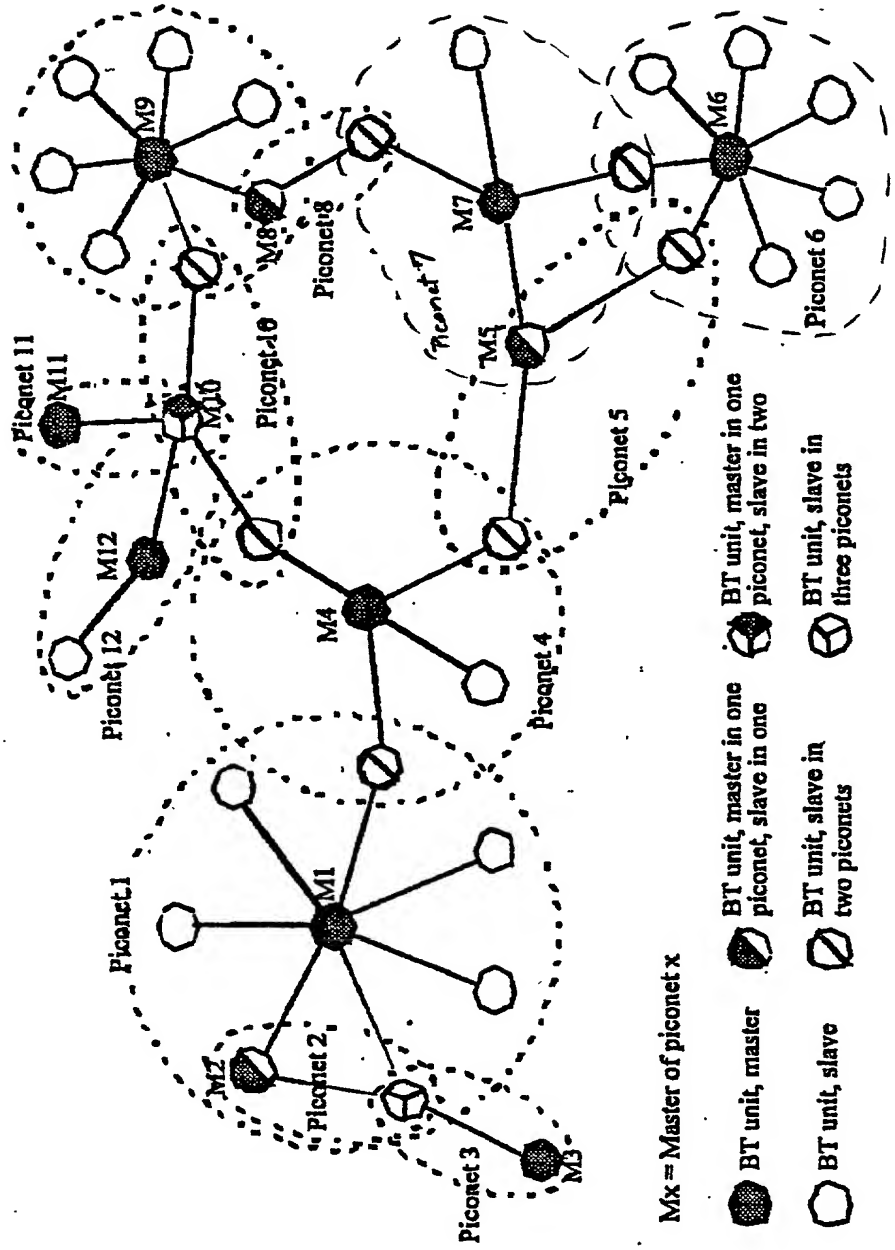
M9
M8
Piconet 8
M7
M6
Piconet 7
Piconet 6
Piconet 11
M11
M10
Piconet 10
M5
Piconet 5
M12
M4
Piconet 12
Piconet 4
M1
Piconet 1
M2
Piconet 2
Piconet 3
M3
Mx = Master of piconet x
BT unit, master
BT unit, slave
BT unit, master in one piconet, slave in one
BT unit, slave in two piconets
BT unit, master in one piconet, slave in two
BT unit, slave in three piconets

Figure 2

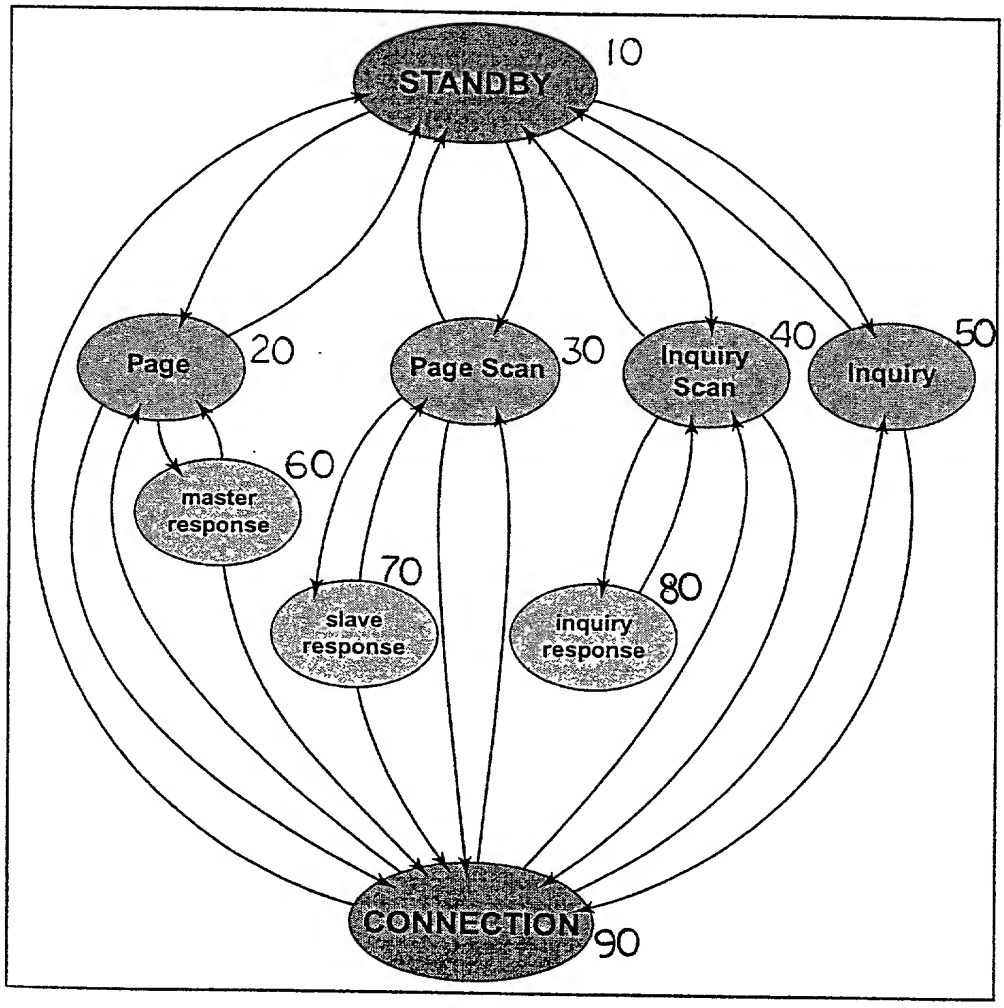
STANDBY
10
Page
20
Page Scan
30
Inquiry Scan
40
Inquiry
50
master response
60
slave response
70
inquiry response
80
CONNECTION
90

Figure 3

Parameter size	Time unit			
	One frame	*Two frames*	*Three frames*	*Four frames*
12 bits	MSI: 5.12 s Gran.: 1 frame MPSE: 0.16 fr.	MSI: 10.24 s Gran.: 2 frames MPSE: 1.33 fr.	MSI: 15.36 s Gran.: 3 frames MPSE: 1.49 fr.	MSI: 20.48 s Gran.: 4 frames MPSE: 2.66 fr.
13 bits	MSI: 10.24 s Gran.: 1 frame MPSE: 0.33 fr.	MSI: 20.48 s Gran.: 2 frames MPSE: 1.66 fr.	MSI: 30.72 s Gran.: 3 frames MPSE: 1.98 fr.	MSI: 40.96 s Gran.: 4 frames MPSE: 3.31 fr.
14 bits	MSI: 20.48 s Gran.: 1 frame MPSE: 0.66 fr.	MSI: 40.96 s Gran.: 2 frames MPSE: 2.31 fr.	MSI: 61.44 s Gran.: 3 frames MPSE: 2.97 fr.	MSI: 81.92 s Gran.: 4 frames MPSE: 4.62 fr.
15 bits	MSI: 40.96 s Gran.: 1 frame MPSE: 1.31 fr.	MSI: 81.92 s Gran.: 2 frames MPSE: 3.62 fr.	MSI: 122.88 s Gran.: 3 frames MPSE: 4.93 fr.	MSI: 163.84 s Gran.: 4 frames MPSE: 6.24 fr.
16 bits	MSI: 81.92 s Gran.: 1 frame MPSE: 2.64 fr.	MSI: 163.84 s Gran.: 2 frames MPSE: 6.24 fr.	MSI: 245.76 s Gran.: 3 frames MPSE: 8.86 fr.	MSI: 327.68 s Gran.: 4 frames MPSE: 12.49 fr
17 bits	MSI: 163.84 s Gran.: 1 frame MPSE: 5.24 fr.	MSI: 327.68 s Gran.: 2 frames MPSE: 11.49 fr	MSI: 491.52 s Gran.: 3 frames MPSE: 16.73 fr	MSI: 655.36 s Gran.: 4 frames MPSE: 22.97 fr
18 bits	MSI: 327.68 s Gran.: 1 frame MPSE: 10.49 fr	MSI: 655.36 s Gran.: 2 frames MPSE: 20.97 fr	MSI: 983.04 s Gran.: 3 frames MPSE: 32.46 fr	MSI: 1310.72 s Gran.: 4 frames MPSE: 43.94 fr

Figure 4

EXHIBIT 1004 - 0004 of 0025

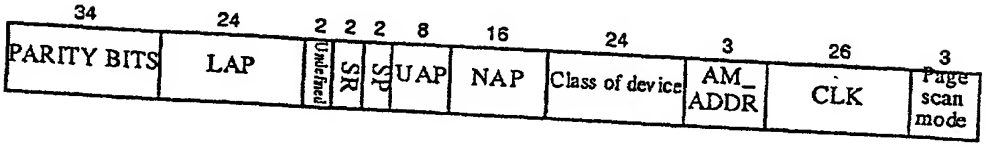

Figure 5

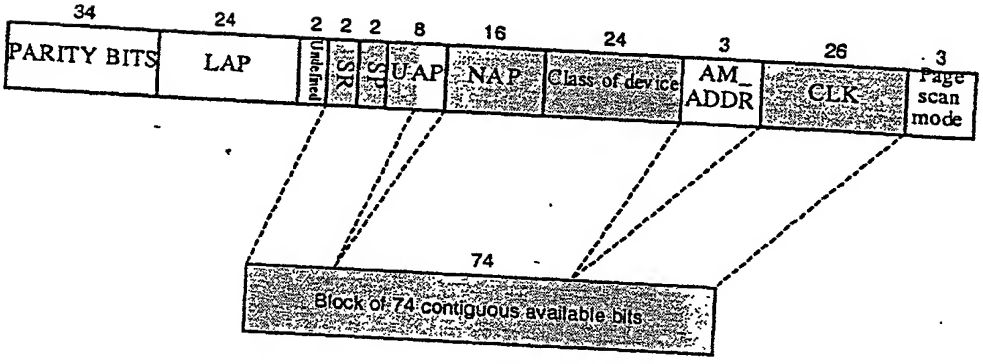

Figure 6

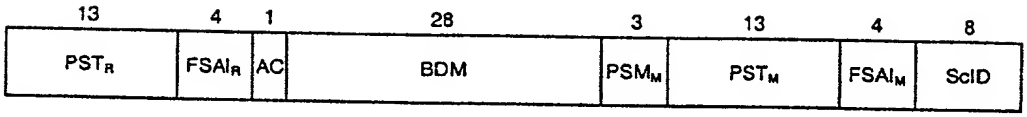

Figure 7

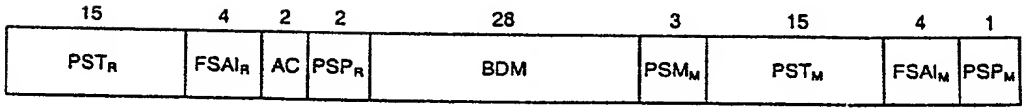

Figure 8

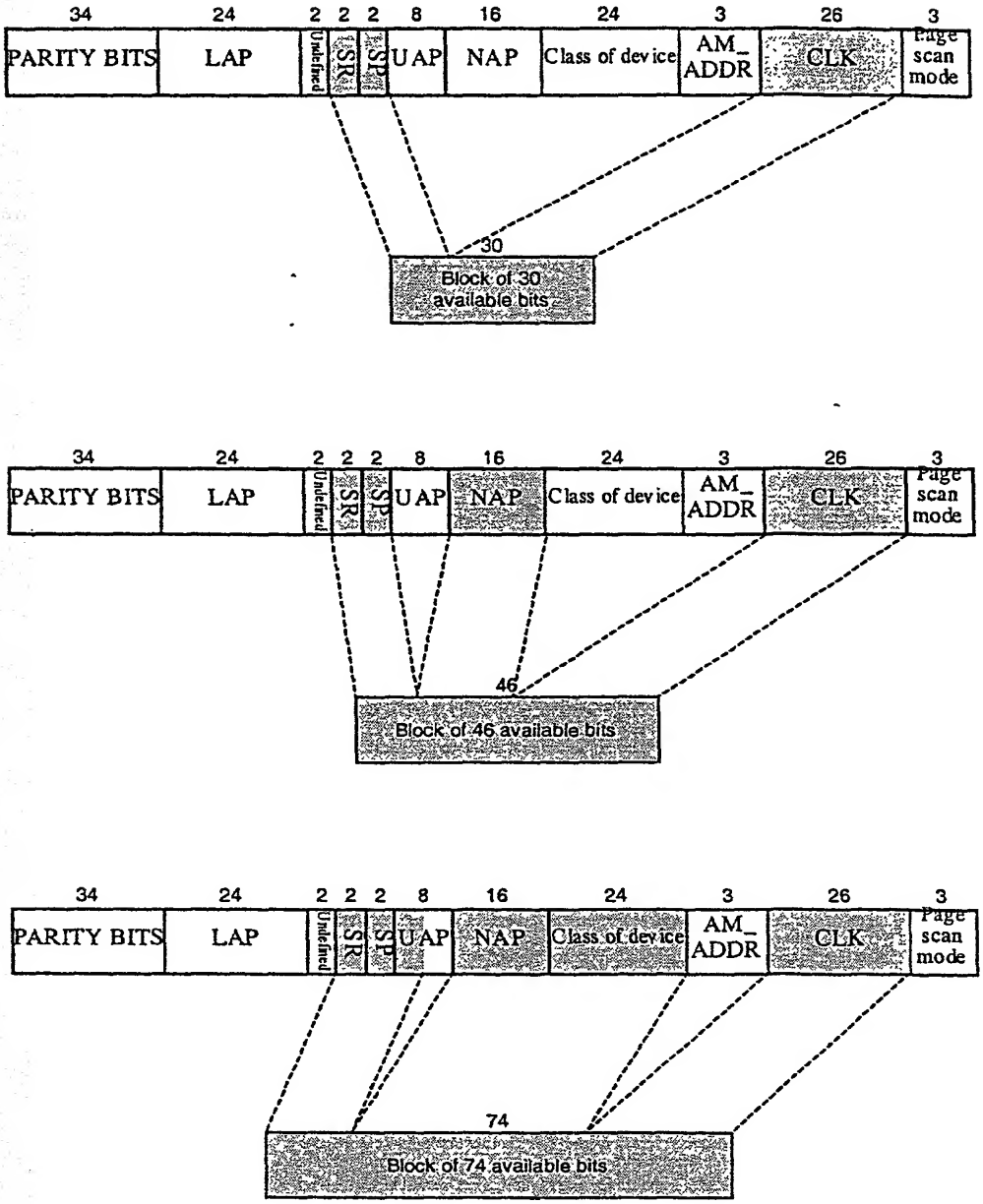
34
24
2
2
2
8
16
24
3
26
3
PARITY BITS
LAP
Undefined
SR
SP
UAP
NAP
Class of device
AM_ ADDR
CLK
Page scan mode
30
Block of 30 available bits
46
Block of 46 available bits
74
Block of 74 available bits

Figure 9

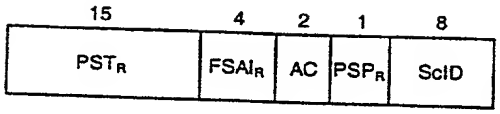

Figure 10

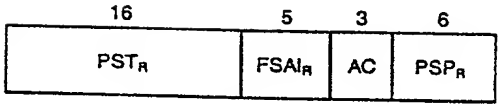

Figure 11

T0520T-800h00F

ScID/ No ScID	Two/Single-device-case	Scenario	Subcase	Preferred alternatives		
				1st	2nd	3rd
ScID	Two-device-case	N/A	N/A	1	5	-
	Single-device-case	Dynamic...	Topology...	22	21	-
			Master-page...	1*	5*	27
			Only-master...	1**	5**	38***
			Responding...	22	21	-
		Only...	N/A	22	21	-
No ScID	Two-device-case	N/A	N/A	13	12	-
	Single-device-case	Dynamic...	Topology...	40	39	-
			Master-page...	13*	12*	43
			Only-master...	13**	12**	52***
			Responding...	40	39	-
		Only...	N/A	40	42	-

Figure 12

EOS2007-0002+001

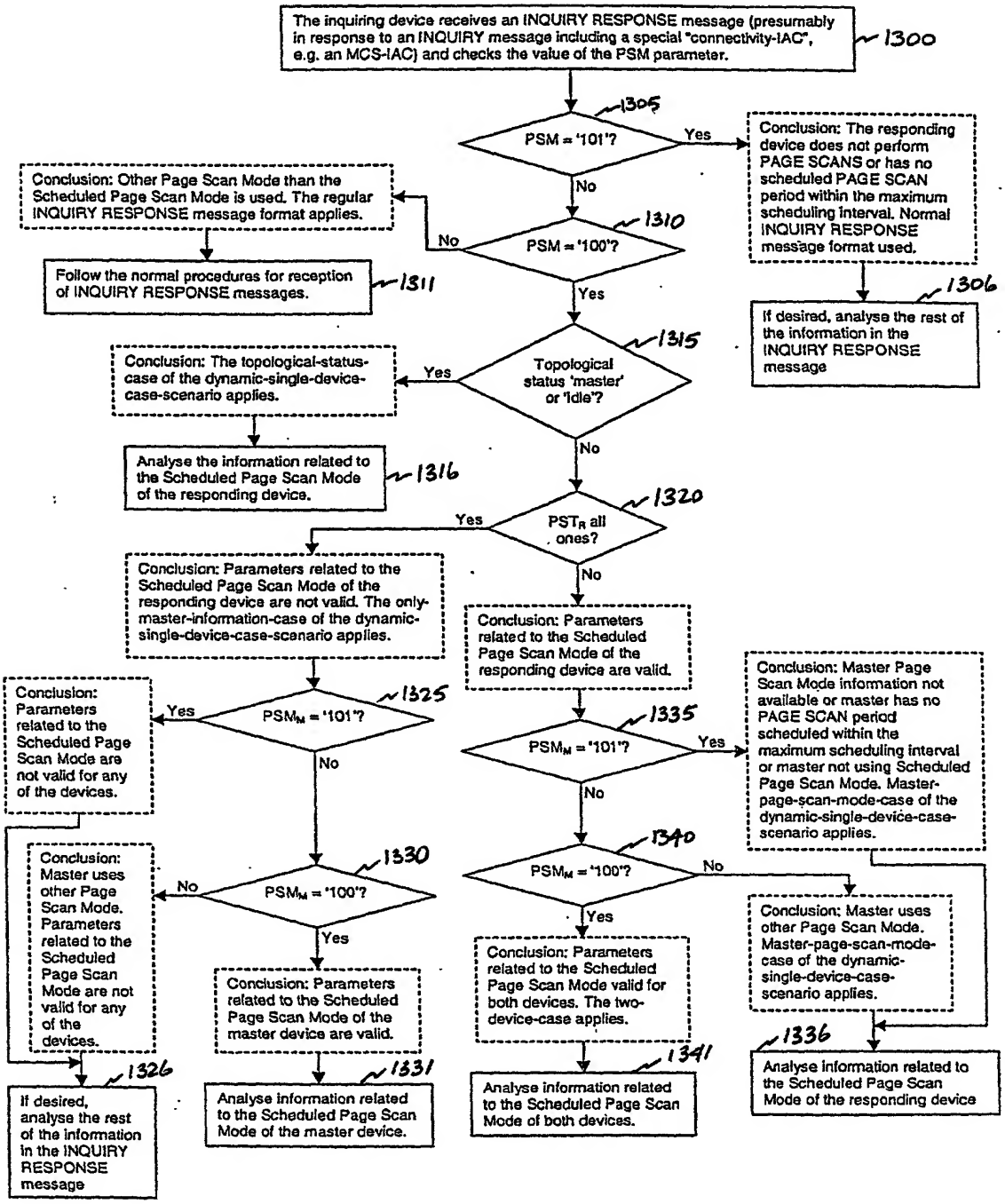
The inquiring device receives an INQUIRY RESPONSE message (presumably in response to an INQUIRY message including a special "connectivity-IAC", e.g. an MCS-IAC) and checks the value of the PSM parameter.
1300
PSM = '101'?
1305
Yes
No
Conclusion: The responding device does not perform PAGE SCANS or has no scheduled PAGE SCAN period within the maximum scheduling interval. Normal INQUIRY RESPONSE message format used.
1306
If desired, analyse the rest of the information in the INQUIRY RESPONSE message
PSM = '100'?
1310
No
Yes
Conclusion: Other Page Scan Mode than the Scheduled Page Scan Mode is used. The regular INQUIRY RESPONSE message format applies.
Follow the normal procedures for reception of INQUIRY RESPONSE messages.
1311
Topological status 'master' or 'idle'?
1315
Yes
No
Conclusion: The topological-status-case of the dynamic-single-device-case-scenario applies.
Analyse the information related to the Scheduled Page Scan Mode of the responding device.
1316
PSTR all ones?
1320
Yes
No
Conclusion: Parameters related to the Scheduled Page Scan Mode of the responding device are not valid. The only-master-information-case of the dynamic-single-device-case-scenario applies.
Conclusion: Parameters related to the Scheduled Page Scan Mode of the responding device are valid.
PSMM = '101'?
1325
Yes
No
Conclusion: Parameters related to the Scheduled Page Scan Mode are not valid for any of the devices.
PSMM = '101'?
1335
Yes
No
Conclusion: Master Page Scan Mode information not available or master has no PAGE SCAN period scheduled within the maximum scheduling interval or master not using Scheduled Page Scan Mode. Master-page-scan-mode-case of the dynamic-single-device-case-scenario applies.
PSMM = '100'?
1330
No
Yes
PSMM = '100'?
1340
No
Yes
Conclusion: Master uses other Page Scan Mode. Parameters related to the Scheduled Page Scan Mode are not valid for any of the devices.
Conclusion: Parameters related to the Scheduled Page Scan Mode of the master device are valid.
Conclusion: Parameters related to the Scheduled Page Scan Mode valid for both devices. The two-device-case applies.
Conclusion: Master uses other Page Scan Mode. Master-page-scan-mode-case of the dynamic-single-device-case-scenario applies.
1326
If desired, analyse the rest of the information in the INQUIRY RESPONSE message
1331
Analyse information related to the Scheduled Page Scan Mode of the master device.
1341
Analyse information related to the Scheduled Page Scan Mode of both devices.
1336
Analyse information related to the Scheduled Page Scan Mode of the responding device

Figure 13